Diagram

Description automatically generated

, , (A-1)

Voltage, V, (V)

Current, I, (A)

(A-1)

Resistance, R, (Ω)

Calculate charging current

http://physics-ref.blogspot.com/2019/03/a-battery-with-emf-e-and-internal.html

Reading on ammeter is 4A, calculate R

Define internal resistance

Determine EMF, r and Isc using graphical methods

Describe an experiment to measure the EMF and internal resistance of a cell

A picture containing text, antenna

Description automatically generated

V=

E=

Define an ideal supply

Define lost volts

Describe short circuit

Describe an open circuit

Electrical sources and internal resistance

Use of appropriate relationships to solve problems involving EMF, lost volts, t.p.d., current, external resistance, and internal resistance.

Define terminal potential difference

Where do you place the voltmeter?

Where do you place the ammeter?

Diagram, schematic

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

